Notice of Allowability	Application No.	Applicant(s)	Applicant(s)	
	09/520,164	KURODA ET AL	KURODA ET AL.	
	Examiner	Art Unit		
	Pedro J. Cuevas	2004		
The MAU INC DATE - 5 // 1		2834		
The MAILING DATE of this communication All claims being allowable, PROSECUTION ON THE MERIT herewith (or previously mailed), a Notice of Allowance (PTOL NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATEN of the Office or upon petition by the applicant. See 37 CFR 1	-85) or other appropriate color RIGHTS. This application .313 and MPEP 1308.	ED in this application. If not in	uded	
 This communication is responsive to <u>5 February 2003</u> The allowed claim(s) is/are <u>2 and 3</u>. 				
3. The drawings filed on are accepted by the Example 1.		÷		
4. ☐ Acknowledgment is made of a claim for foreign priority a) ☐ All b) ☐ Some* c) ☐ None of the:	miner. / under 35 U.S.C. § 119(a)-((d) or (f).		
Certified copies of the priority documents I	nave been received.			
2. Certified copies of the priority documents to	have been received in Appli	cation No		
3. Copies of the certified copies of the priority	documents have been rec	eived in this national state and		
International Bureau (PCT Rule 17.2(a)).	erred in this national stage appli	cation from the	
* Certified copies not received:				
5. Acknowledgment is made of a claim for domestic priori	tv under 35 U.S.C. & 119(e)	(to a provisional application)		
(a) Light translation of the foreign language provision	al application has been rec	aivad		
6. Acknowledgment is made of a claim for domestic priorit	ty under 35 U.S.C. 88 120 a	and/or 121		
Applicant has THREE MONTHS FROM THE "MAILING DATE below. Failure to timely comply will result in ABANDONMENT 7. A SUBSTITUTE OATH OR DECLARATION must be so INFORMAL PATENT APPLICATION (PTO-152) which gives reach a submitted. (a) including changes required by the Notice of Drafts of including changes required by the proposed drawing Examiner. (b) including changes required by the proposed drawing Examiner. (c) including changes required by the attached Examinal Identifying Indicia such as the application number (see 37 CF) of each sheet. The drawings should be filed as a separate page of the proposed drawing should be f	person's Patent Drawing Reperson's Patent Drawing Reperson's Patent Drawing Reperson's Amendment / Comments Amendments / Comments Amendments / Comments /	EXAMINER'S AMENDMENT of eclaration is deficient. Eview (PTO-948) attached Example 2002, which has been appoint or in the Office action of Paper on the drawings in the top margin ddressed to the Official Draftsperion.	or NOTICE OF oroved by the or No (not the back) son.	
Attachment(s)				
 1 ⋈ Notice of References Cited (PTO-892) 3 ⋈ Notice of Draftperson's Patent Drawing Review (PTO-948) 5 ⋈ Information Disclosure Statements (PTO-1449), Paper No. 7 ⋈ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	4∐ Interv 6∏ Exam	e of Informal Patent Application view Summary (PTO-413), Pape niner's Amendment/Comment niner's Statement of Reasons for	r No	
U.S. Patent and Trademark Office PTO-37 (Rev. 04-01)	Notice of Allowahility			

Notice of Allowability

Part of Paper No. 0403

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DETAILED ACTION

Allowable Subject Matter

- 1. Claims 2 and 3 are allowed.
- 2. The following is an examiner's statement of reasons for allowance.

Katayose et al. clearly teaches the construction of an engine control apparatus comprising:

a brake booster;

pressure detectors;

a throttle-opening-state detector; and

an engine-operation enable/disable determining device.

Bader teach the use of a means for obtaining the amount of battery charge for the purpose of providing a method for automatically controlling a parallel hybrid drive, in which the power of an internal combustion engine is supplied in three different ways as a function of current driving parameters; in particular the power requirement, the vehicle speed and the battery charge state.

Harada teach the use of coolant and intake air temperature detectors on an apparatus for the purpose of controlling negative pressure for a brake booster in a diesel engine.

The prior art of record, taken alone or in combination, fails to teach the construction of an engine control system for a hybrid vehicle having an internal combustion engine and an electric motor as driving force sources, for permitting stopping and starting of said engine in accordance with predetermined drive conditions, comprising:

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a brake booster for receiving negative pressure supplied by an operation of said engine;

a pressure detector for detecting a pressure supplied to said brake booster; throttle-opening-state detector for detecting a throttle opening state; and engine-operation enable/disable determining device for determining whether or not to operate said engine when said engine is stopped, based on said throttle opening state detected by said throttle-opening-state detector and said pressure detected by said pressure detected.

wherein said engine-operation enable/disable determining device that:

permits said engine to operate when said throttle opening state is other than completely closed;

causes said engine to stop when said throttle opening state is completely closed and said pressure detected by said pressure detector is equal to or lower than a predetermined negative pressure which is equal to or lower than an atmospheric pressure; and

permits said engine to operate when said throttle opening state is

completely closed and said pressure detected by said pressure detector is closer to
the atmospheric pressure than the predetermined negative pressure, which is equal
to or lower than the atmospheric pressure.

3. Dependent claim 3 is considered allowable by it's dependence on allowed independent claim 2.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pedro J. Cuevas whose telephone number is (703) 308-4904. The examiner can normally be reached on M-F from 8:30 - 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor R. Ramírez can be reached on (703) 308-1371. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 305-1341 for regular communications and (703) 305-3432 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Pedro J. Cuevas April 11, 2003 The state of the s